



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

May 30, 1997

CERTIFIED MAIL #P 875 705 119

Dennis Wells, Secretary
Rock Contractors, Incorporated
2190 South Cole Road
Boise, Idaho. 83709

RE: Rock Contractors (Portable Hot-Mix Asphalt Plant) - #9512-146-2
Tier II Operating Permit (#777-00122)

Dear Mr. Wells:

On September 15, 1995, the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) received a Tier II Operating Permit (OP) application for a portable hot-mix asphalt plant for Rock Contractors, Inc. On December 21, 1995, the application was determined administratively complete.

On March 28, 1997, a proposed Tier II OP was issued for public comment. The public comment period was from April 17, 1997, through May 16, 1997. No comments were received.

Based on review of your application, and state and federal rules and regulations, DEQ finds this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, please find enclosed your Tier II OP (#777-00122) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

Please be advised that this Tier II OP is subject to permit application fees of five hundred dollars (\$500.00) in accordance with IDAPA 16.01.01.470. IDAPA 16.01.01.470 became effective on March 7, 1995. Information regarding the permit application fees will be sent to you shortly.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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Enclosure

cc: Boise Regional Office
Source File
COF

ATP

STATE OF IDAHO
AIR POLLUTION
OPERATING PERMIT
GENERAL INFORMATION

PERMIT NUMBER

777 - 00122

AQCR

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CLASS

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UTM COORDINATE (km)

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1. PERMITTEE
Rock Contractors, Incorporated

2. PROJECT
Tier II Operating Permit

3. MAILING ADDRESS
2190 S. Cole Road

CITY
Boise

STATE
Idaho

ZIP CODE
83709

4. SITE LOCATION
Portable

NO. OF FULL TIME EMPLOYEES

PROPERTY AREA AT SITE (Acreage)
Varies

5. PERSON TO CONTACT
Dennis Wells

TITLE
Secretary

TELEPHONE
(208) 322-5090

6. EXACT PLANT LOCATION
Portable

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Hot-Mix Asphalt Production

8. GENERAL CONDITIONS

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.

THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED IN THE APPLICATION AND THE DEPARTMENT OF HEALTH AND WELFARE, DIVISION OF ENVIRONMENTAL QUALITY'S (DEQ) TECHNICAL ANALYSIS OF THE SUPPLIED INFORMATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEQ REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.

Dennis Wells
ASSISTANT ADMINISTRATOR for DN 6
DIVISION OF ENVIRONMENTAL QUALITY

ISSUED MAY 30, 1997
Date

EXPIRES MAY 30, 2002
Date

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

Permittee AND LOCATION

Rock Contractors, Incorporated
 Tier II Operating Permit
 Portable

777 - 00122

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Portable Hot-Mix Asphalt Plant

1. EMISSION LIMITS

1.1 Asphalt Dryer Emission Limits

Particulate matter (PM) emissions from the hot-mix asphalt dryer stack shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf).

1.2 Other Particulate Matter Emission Limits

Gases from systems for screening, handling, storing and weighing hot aggregate, which emanate from a stack, vent, or other functionally equivalent opening, shall not contain PM emissions in excess of 0.04 gr/dscf.

1.3 Opacity Limits

Emissions emanating from any stack, vent, or other functionally equivalent opening, shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required in IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho). Opacity shall be determined using the procedures contained in DEQ's "Procedures Manual for Air Pollution Control".

1.4 Visible Emission Limits at Property Boundary

Visible emissions emanating from all asphalt plant operations, including all fugitive sources, shall not be observed leaving the property boundary for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by Method 22, 40 CFR Part 60, Appendix A, or DEC approved alternative method.

2. OPERATING REQUIREMENTS

2.1 Hot-Mix Asphalt Production Rate Limits

2.1.1 The production rate of the hot-mix asphalt plant shall not exceed a maximum of 1,752,000 tons per year (T/yr).

2.1.2 The production rate of the hot-mix asphalt plant shall not exceed a maximum of 961 tons per day (T/day) while located in any PM-10 non-attainment area or proposed PM-10 non-attainment area.

2.1.3 The production rate of the hot-mix asphalt plant shall not exceed a maximum of 350,819 tons per year (T/yr) while located in any PM-10 non-attainment area or proposed PM-10 non-attainment area.

2.1.4 The maximum hourly production rate shall not exceed 158 tons per hour (T/hr) as established by the initial performance test conducted by the Permittee.

2.1.5 The hot-mix asphalt plant's rated production capacity is 200 tons per hour (T/hr) of asphalt concrete. The Permittee may operate the plant at a higher hourly production rate following the successful completion of a performance test specified in Section 3.4 of this permit. The allowable hourly production capacity shall be determined by General Provisions I.

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Portable Hot-Mix Asphalt Plant

2.2 Dryer Burner Fuel Limits

The burner fuel shall be #2 fuel oil only. The sulfur content of the burner fuel shall not exceed 0.5 percent by weight for #2 fuel oil in accordance with IDAPA 16.01.01.728.

2.3 Control of Fugitive Emissions

All fugitive emissions generated from traffic areas, hot-mix asphalt production equipment and aggregate handling equipment shall be reasonably controlled in accordance with IDAPA 16.01.01.651 and IDAPA 16.01.01.808.

Reasonable controls may include, but are not be limited to, the following:

2.3.1 Use of water or environmentally safe chemicals;

2.3.2 Application of dust suppressants;

2.3.3 Use of control equipment;

2.3.4 Covering of trucks;

2.3.5 Paving; and

2.3.6 Prompt removal of earth or other stored material from streets, where practical.

2.4 Air Stagnation Advisory Days

No operation of the hot-mix asphalt plant shall occur during an Air Stagnation Advisory.

2.5 Monitoring Equipment

The Permittee shall install, calibrate, maintain and operate, in accordance with manufacturer's specifications, equipment to continuously measure the pressure differential across the air pollution control equipment and the scrubbing media flowrate to the air pollution control equipment. A scrubbing media flowrate monitor is required only if a wet scrubber is used to control some or all emissions from the hot-mix asphalt plant.

2.6 Pressure Drop Across Air Pollution Control Device

The pressure drop across the air pollution control device(s) shall be maintained within manufacturer's and O&M Manual's specifications. Documentation of both the manufacturer's and O&M Manual operating pressure drop specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.7 Scrubbing Media Flowrate

The scrubbing media flowrate to the air pollution control device shall be maintained within manufacturer's and O&M Manual's specifications. Documentation of the manufacturer's and O&M Manual operating scrubbing media specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

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Portable Hot-Mix Asphalt Plant

2.8 Operations and Maintenance Manual Requirements

Within sixty (60) days of the issuance of this permit, the Permittee shall have developed an Operations and Maintenance (O&M) Manual for the air pollution control device which describes the procedures that will be followed to comply with General Provision H and the air pollution control device requirements contained in this permit. The manual shall remain on-site at all times and copies shall be made available to DEQ representatives upon request.

3. MONITORING REQUIREMENTS

3.1 Operating Parameters

The following parameters shall be monitored and recorded both on a daily and annual basis. The most recent five (5) years' compilation of data shall be kept on-site in a log and be made available to DEQ representatives upon request.

3.1.1 Hot-mix asphalt production in T/day and T/yr.

3.1.2 Location of the hot-mix asphalt plant if operating in a proposed or designated PM₁₀ non-attainment area (to be recorded once after each move).

3.2 Air Pollution Control Equipment

The following parameters shall be monitored and recorded on a daily basis. The most recent five (5) years' compilation of data shall be kept on-site in a log and be made available to DEQ representatives upon request.

3.2.1 Pressure drop across the air pollution control device; and

3.2.2 If a wet scrubber is utilized as the control device, monitor and record the scrubbing media flow-rate to the air pollution control equipment.

3.3 Reasonable Control Measures

The Permittee shall monitor and record in a log, during operation, the periodic method(s) used to reasonably control emissions from traffic areas, dryers, systems for screening, handling, storing, and weighing hot aggregate, systems for mixing hot-mix asphalt, loading and transfer, storage systems, and all other sources of fugitive emissions. The log shall include the type of control used (i.e., water, environmentally safe chemical dust suppressants, etc.), as well as the circumstances under which no controls are utilized. The most recent five (5) years' compilation of data shall be kept on-site and be made available to DEQ representatives upon request.

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Portable Hot-Mix Asphalt Plant

3.4 Optional Performance Test

The Permittee may conduct a performance test to establish an allowable hourly production rate greater than the rate established in Section 2.1.4 of this permit. The performance test shall measure the PM emissions from the hot-mix asphalt plant exhaust stack, in accordance with 40 CFR 60.93 and in accordance with General Provision I of this permit. Visible emissions from the hot-mix asphalt plant exhaust stack shall also be observed during this test using the methods specified in DEQ's "Procedures Manual for Air Pollution Control".

The test shall be conducted while the hot-mix asphalt plant is operating at maximum capacity. In addition, the following information shall be monitored and recorded during the test:

3.4.1 Tons per hour (T/hr) of hot-mix asphalt paving material produced;

3.4.2 Pressure drop across the air pollution control equipment. The scrubbing media flowrate to the control device if a wet scrubber is utilized;

3.4.3 The type and amount of fuel used (i.e., #2 diesel fuel, gallons per hour); and,

3.4.4 The sulfur content of the fuel in percent by weight if fuel oil is used.

3.5 Performance Test Documentation

A copy of the most recent performance test report conducted on the hot-mix asphalt plant, which demonstrates compliance with the grain loading requirement established in Section 1.1 of this permit, shall remain on-site at all times and copies shall be made available to DEQ representatives upon request.

4. REPORTING REQUIREMENTS4.1 Performance Test Protocol

The Permittee shall submit a performance test protocol to the DEQ for approval at least thirty (30) days prior to the test date.

4.2 Performance Test Report

The Permittee shall submit a written report of the hot-mix asphalt plant performance test results, including all required process data, to the DEQ within thirty (30) days after the date on which the performance test is concluded.

4.3 Relocation

At least ten (10) days prior to relocation of any equipment covered by this permit, the Permittee shall report to the DEQ, on relocation forms supplied by the DEQ, the following information:

4.3.1 Exact location of the new site of operations;

4.3.2 Start-up date at the new site of operations and the duration of operations at the new site;

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4.3.3 A scaled plot plan clearly showing the property boundary of the new site; and

4.3.4 Equipment to be used at the new location.

4.4 Certification of Documents

All documents, including, but not limited to, application forms for Permits to Construct, monitoring data, supporting information, requests for confidential treatment, testing reports or compliance certifications submitted to the DEQ shall contain a certification by a responsible official in accordance with IDAPP 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

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EXPIRES: MAY 30, 2002

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OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by DEQ. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.

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- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with DEQ's **Procedures Manual for Air Pollution Control**. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior DEQ approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to DEQ for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify DEQ of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless DEQ approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to DEQ a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

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EXPIRES: MAY 30, 2002

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